

CLE SEMINAR SERIES-III

Topic: THE DESIGN AND WORKING OF A DIALOGUE MANAGER IN A SPOKEN DIALOGUE SYSTEM

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Abstract:

A spoken dialogue system consists of three fundamental components: a dialogue manager, a speech recognizer, and a speech synthesizer. As suggested by their respective names, the dialogue manager performs the responsibilities of the control of the dialogue, the recognizer component receives and interprets the speech input from the user, and the synthesizer is responsible for the synthesis of the speech output for the user. This makes the dialogue manager the heart of a spoken dialogue system; it is responsible for taking an appropriate action in case of an ambiguity, perform error handling, handle user barge-in events, manage timeout and turn taking, and most importantly execute the dialogue. This presentation aims to acquaint the audience with the working of a dialogue manager i.e. how does it function during the execution of a dialogue.